Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

SBR/10:07/30.5.2019

(For Other Works) Date.....2019

Third & Final Bill

Office: BBMP, Byatarayanapura Sub-Division: **BBMP, Vidyaranyapura**

Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 009-17-000010, 009-17-000011, 009-17-000012, 009-17-000013, 009-17-000014, 009-17-000015, 009-17-000016, 009-17-000017**

Schedule Docket No. Head of Account: **P-3165** **Est.Cost: 200.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: Package - 1 (Including 8 Works) 1) Improvements to Roads and Drains at Krishna Green Apartment Cross Roads Deshabhandunagara in Ward No. 09, Vidyaranyapura. 2) Construction of Culverts in Ward No. 09 Vidyaranyapura. 3)Improvements to Roads and Drains at 1st Main Hanuman Layout Main Road in Ward No. 09, Vidyaranyapura. 4) Improvements to Roads and Drains at NTI Layout 3rd Cross in Ward No. 09, Vidyaranyapura. 5)Improvements to Roads and Drains at Resina from Deshabhandunagara in Ward No. 09, Vidyaranyapura. 6) Construction of Toilet Block at Samadhaya Bhavana and Balance Portion of Concrete Road at Kempegowdanagara in Ward No. 09, Vidyaranyapura. 7) Improvements to Roads and Drains at 9th Main Deshabandhunagara in Ward No. 09, Vidyaranyapura. 8) Improvements to Roads and Drains at at behind Kote Anjaneyswamy Temple Cross Roads Vidyaranyapura in Ward No. 09, Vidyaranyapura.

Name of Contractor and Full Address: ***Sri. Alankar K.B, # 12, MSV Network Road, near Shobha Apartment, Amruthahalli, Sahakaranagara (p), Bangalore – 560 092.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/11(27904)/WO/88/2018-19** Date: **30.08.2018**

Certified that the measurements were taken by me on ~~4946/18~~ 22/2/19 and recorded of **Pages** 494513 **to** 494515 of measurement Book No. 4946/18-19 and that the work is satisfactorily executed.

Alankar KB
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 22/2/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total Rs	1981744-00
2) Deduct amount to be held in reserve being .....percent Rs.....	2nd part Rs	1954319-00
3) " Balance	3rd & Final Amount	270425-00
4) Deduct Payment:		
a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	IT-	2704-00
	Cess-	2704-00
	CBF-	270-00
	LR-	2432-00
	CGST-	2415-00
	SGST-	2415-00
b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Adju-	12940-00
	Cheque	257485-00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	Total amount adjusted -	

Alankar KB
Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

ಒಟ್ಟು ಮೊಬಲಗು ರೂ. 2,70,425-00

(For use in the Office)

ಮುಂಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 12940-00

Rs: 257485-00 (Rupees Two Lakh fifty Seven thousand four hundred eighty five only)

Stamp

ಲೆಕ್ಕಾಧಿಕ್ಷಕರು 30/5

Executive Engineer 30/5

S. No.		Unit
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits **either in pits or in trenches** 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing **the bottom and sides of pits and** trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. **after breaking of clods etc complete** as per specifications and directions of engineer in charge of the work	Cum
2	Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and **sides neatly** dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
3	Removing and refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm
4	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
5	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
6	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
7	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
8	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge	Cum
9	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6** edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge	Cum
10	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
11	Providing and laying in position **plain cement concrete of mix M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
12	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of read mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing for **ram foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) etc complete as per specifications and directions of engineer in charge of the work	Cum
13	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500** etc complete as per specifications and directions of engineer in charge of the work	Kg
14	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surfaces such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials and etc complete as per specifications and directions of engineer in charge of the work	Sqm
15	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
16	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
82	41112.72	6.58	396.00	2606.00	110.40	43718.72	
986.32	234744.16	0.00	238.00	0.00	986.32	234744.16	
3418.20	338401.80	0.00	99.00	0.00	3418.20	338401.80	
892.49	663120.07	0.00	743.00	0.00	892.49	663120.07	
78.81	429120.45	0.00	5445.00	0.00	78.81	429120.45	
120.15	666111.60	1.43	5544.00	7928.00	121.58	674039.60	
64.80	340005.60	0.00	5247.00	0.00	64.80	340005.60	
0.00	0.00	5.27	4950.00	26087.00	5.27	26087.00	
0.00	0.00	2.37	5940.00	14078.00	2.37	14078.00	
194.40	27021.60	0.00	139.00	0.00	194.40	27021.60	
0.00	0.00	0.36	6435.00	2317.00	0.36	2317.00	
147.24	947489.40	0.00	6435.00	0.00	147.24	947489.40	
8.83	611919.00	0.26	69300.00	18018.00	9.09	629937.00	
883.86	314654.16	0.00	356.00	0.00	883.86	314654.16	
1945.60	1926144.00	0.00	990.00	0.00	1945.60	1926144.00	
0.00	0.00	47.40	990.00	46926.00	47.40	46926.00	

Sl. No.	
17	Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size grade granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOW machinery, curing etc complete as per specifications and directions of engineer in charge of the work
18	Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc complete as per the direction of engineer in charge
19	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc complete as per the direction of engineer in charge
20	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwor curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc complet as per specifications and directions of engineer in charge of the work
21	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work
22	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work
23	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved
24	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses etc complete as per specifications and directions of engineer in charge of the work
25	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work
26	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work
27	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic tiles 30cm x 60cm 6mm thick on a bed of 20mm thick etc complete as per specifications and directions of engineer in charge of the work
28	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 60 cms etc complete as per specifications and directions of engineer in charge of the work
29	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size etc complete as per specifications and directions of engineer in charge of the work
30	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc. Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges etc complete as per specifications and directions of engineer in charge of the work

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
243.16	1516588.92	0.00	6237.00	0.00	243.16	1516588.92	
221.40	1205523.00	0.00	5445.00	0.00	221.40	1205523.00	
2477.70	5029731.00	0.00	2030.00	0.00	2477.70	5029731.00	
2885.00	1001095.00	0.00	347.00	0.00	2885.00	1001095.00	
584.10	20443.50	0.00	35.00	0.00	584.10	20443.50	
584.10	49064.40	0.00	84.00	0.00	584.10	49064.40	
0.00	0.00	18.50	396.00	7326.00	18.50	7326.00	
0.00	0.00	6.00	990.00	5940.00	6.00	5940.00	
0.00	0.00	56.25	297.00	16706.00	56.25	16706.00	
0.00	0.00	44.85	297.00	13320.00	44.85	13320.00	
0.00	0.00	7.22	1485.00	10722.00	7.22	10722.00	
0.00	0.00	15.96	1782.00	28441.00	15.96	28441.00	
0.00	0.00	6.30	644.00	4057.00	6.30	4057.00	
0.00	0.00	6.30	3960.00	24948.00	6.30	24948.00	

Sl. No.		
31	Providing and fixing white vitreous china clay, water closet **Indian type** (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C **flushing cistern** (all are approved make) with fittings, C.I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	
32	**Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm** with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	
33	**Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm** dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing etc complete as per specifications and directions of engineer in charge of the work	
34	Supplying water **storage tanks made of virgin polymer (LLDPE)** with two layers outer Black or Blue and inner White layer of approved quality and make, conforming etc complete as per specifications and directions of engineer in charge of the work	
35	Providing and fixing in **position brass stop cock of approved quality 20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work	
36	Providing and laying in **position to required level or slope 150mm internal diameter salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges etc complete as per specifications and directions of engineer in charge of the work	
37	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications etc complete as per specifications and directions of engineer in charge of the work	
38	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc complete as per specifications and directions of engineer in charge of the work	
39	Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff including cost of all labour charges complete as per specifications etc complete as per specifications and directions of engineer in charge of the work.	
40	Wet Mix Macadam - Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	
41	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means etc complete as per specifications and directions of engineer in charge of the work	
42	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen etc complete as per specifications and directions of engineer in charge of the work	
	Total	

CERTIFICATE :

1. Certified that the above work done satisfactory and no materials issued from departmentally.

AE Nr 09

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
0.00	0.00	2.00	4158.00	8316.00	2.00	8316.00	
0.00	0.00	2.00	4552.00	9104.00	2.00	9104.00	
0.00	0.00	30.00	425.00	12750.00	30.00	12750.00	
0.00	0.00	500.00	8.00	4000.00	500.00	4000.00	
0.00	0.00	12.00	198.00	2376.00	12.00	2376.00	
0.00	0.00	10.00	446.00	4460.00	10.00	4460.00	
69.31	404839.71	0.00	5841.00	0.00	69.31	404839.71	
654.50	77885.50	0.00	119.00	0.00	654.50	77885.50	
3589.00	125615.00	0.00	35.00	0.00	3589.00	125615.00	
965.55	2093312.40	0.00	2168.00	0.00	965.55	2093312.40	
4468.00	156380.00	0.00	35.00	0.00	4468.00	156380.00	
178.72	1326996.00	0.00	7425.00	0.00	178.72	1326996.00	
	19547318.99			**270426.00**		**19817744.99**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97